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NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	NOV 22	Higher System Limits Increase the Power of STN Substance-Based Searching
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NEWS	11	JAN 28	CABA will be updated weekly
NEWS	12	FEB 23	PCTFULL file on STN completely reloaded
NEWS	13	FEB 23	STN AnaVist Test Projects Now Available for Qualified Customers
NEWS	14	FEB 25	LPCI will be replaced by LDPCI
NEWS	15	MAR 07	Pricing for SELECTing Patent, Application, and Priority Numbers in the USPAT and IFI Database Families is Now Consistent with Similar Patent Databases on STN
NEWS	16	APR 26	Expanded Swedish Patent Application Coverage in CA/CAPLUS Provides More Current and Complete Information
NEWS	17	APR 28	The DWPI (files WPINDEX, WPIDS and WPIX) on STN have been enhanced with thesauri for the European Patent Classifications
NEWS	18	MAY 02	MEDLINE Improvements Provide Fast and Simple Access to DOI and Chemical Name Information
NEWS	19	MAY 12	European Patent Classification thesauri added to the INPADOC files, PCTFULL, GBFULL and FRFULL
NEWS	20	MAY 23	Enhanced performance of STN biosequence searches
NEWS	21	MAY 23	Free Trial of the Numeric Property Search Feature in PCTFULL on STN
NEWS	22	JUN 20	STN on the Web Enhanced with New Patent Family Assistant and Updated Structure Plug-In
NEWS	23	JUN 20	INPADOC databases enhanced with first page images
NEWS	24	JUN 20	PATDPA database updates to end in June 2011
NEWS	25	JUN 21	INPADOC: Delay of German patent coverage
NEWS	26	JUN 26	MARPAT Enhancements Save Time and Increase Usability
NEWS	27	JUL 25	STN adds Australian patent full-text database, AUPATFULL, including the new numeric search feature.
NEWS	28	AUG 01	CA Sections Added to ACS Publications Web Editions Platform

NEWS EXPRESS 17 DECEMBER 2010 CURRENT WINDOWS VERSION IS V8.4.2 .1,  
AND CURRENT DISCOVER FILE IS DATED 24 JANUARY 2011.

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FILE 'HOME' ENTERED AT 18:23:58 ON 04 AUG 2011

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.23	0.23

FILE 'REGISTRY' ENTERED AT 18:24:09 ON 04 AUG 2011  
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STRUCTURE FILE UPDATES: 3 AUG 2011 HIGHEST RN 1314841-34-3  
DICTIONARY FILE UPDATES: 3 AUG 2011 HIGHEST RN 1314841-34-3

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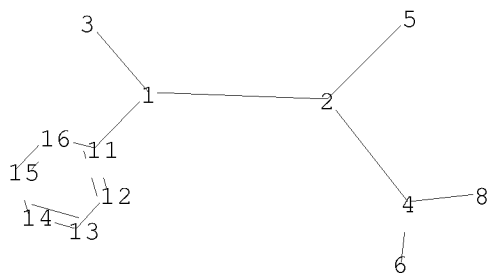
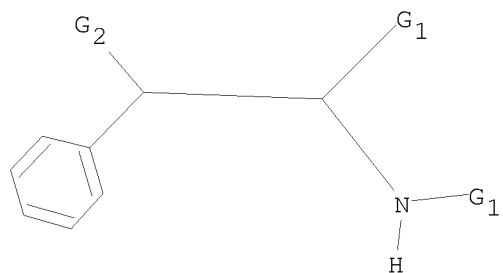
TSCA INFORMATION NOW CURRENT THROUGH January 14, 2011.

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predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>  
Uploading C:\Users\sjavanmard\Documents\STN Express 8.4\Queries\10594420.str



```

chain nodes :
1  2  3  4  5  6  8
ring nodes :
11 12 13 14 15 16
chain bonds :
1-2  1-3  1-11  2-4  2-5  4-6  4-8
ring bonds :
11-12 11-16 12-13 13-14 14-15 15-16
exact/norm bonds :
1-3  2-4  2-5  4-8
exact bonds :
1-2  1-11  4-6
normalized bonds :
11-12 11-16 12-13 13-14 14-15 15-16

```

G1: Ak, COOH, H, Cb

G2: H, OH

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Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 8:CLASS 11:Atom 12:Atom
13:Atom 14:Atom 15:Atom 16:Atom

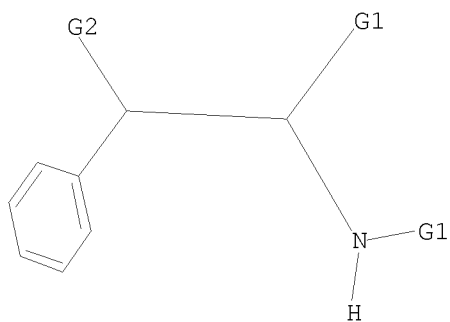
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L1 STRUCTURE UPLOADED

=> d 11

L1 HAS NO ANSWERS

L1 STR



G1: Ak, COOH, H, Cb

G2: H, OH

Structure attributes must be viewed using STN Express query preparation.

=> s ll full

FULL SEARCH INITIATED 18:24:31 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 4925886 TO ITERATE

4.2% PROCESSED	206855 ITERATIONS	155190 ANSWERS
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4.7% PROCESSED	231216 ITERATIONS	177661 ANSWERS
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100.0% PROCESSED	4925886 ITERATIONS	2168476 ANSWERS
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SEARCH TIME: 00.00.37

L2 2168476 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	197.37	197.60

FILE 'CAPLUS' ENTERED AT 18:25:16 ON 04 AUG 2011

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FILE COVERS 1907 - 4 Aug 2011 VOL 155 ISS 6

FILE LAST UPDATED: 3 Aug 2011 (20110803/ED)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2011

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2011

Caplus now includes complete International Patent Classification (IPC) reclassification data for the first quarter of 2011.

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=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.52	198.12

FILE 'CAPLUS' ENTERED AT 18:25:57 ON 04 AUG 2011

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FILE COVERS 1907 - 4 Aug 2011 VOL 155 ISS 6  
FILE LAST UPDATED: 3 Aug 2011 (20110803/ED)  
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2011  
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2011

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=> s l2

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.52	198.64

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STRUCTURE FILE UPDATES: 3 AUG 2011 HIGHEST RN 1314841-34-3  
DICTIONARY FILE UPDATES: 3 AUG 2011 HIGHEST RN 1314841-34-3

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

TSCA INFORMATION NOW CURRENT THROUGH January 14, 2011.

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REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

```
=> s l2 and depression
      4 DEPRESSION
L3      0 L2 AND DEPRESSION
```

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=> file caplus
COST IN U.S. DOLLARS          SINCE FILE      TOTAL
                                ENTRY          SESSION
FULL ESTIMATED COST          6.72          205.36
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FILE COVERS 1907 - 4 Aug 2011 VOL 155 ISS 6  
FILE LAST UPDATED: 3 Aug 2011 (20110803/ED)  
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2011  
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2011

CAPLUS now includes complete International Patent Classification (IPC) reclassification data for the first quarter of 2011.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

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      98709 PHENYLALANINE
      106211 DEPRESSION
L4      459 PHENYLALANINE AND DEPRESSION
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      15374 ANHYDRASE
      15199 CARBONIC ANHYDRASE
              (CARBONIC(W)ANHYDRASE)
L5      4 L4 AND CARBONIC ANHYDRASE
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L5 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2011 ACS on STN  
ACCESSION NUMBER: 2008:9031 CAPLUS  
DOCUMENT NUMBER: 148:113242  
TITLE: Treatment of depressive disorders  
INVENTOR(S): Sun, Miao-Kun; Alkon, Daniel L.  
PATENT ASSIGNEE(S): Blanchette Rockefeller Neurosciences Institute, USA

SOURCE: U.S. Pat. Appl. Publ., 20 pp., Cont.-in-part of U.S. Ser. No. 594,420.  
 CODEN: USXXCO  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20080003181	A1	20080103	US 2007-802724	20070524
US 7977377	B2	20110712		
WO 2005115548	A2	20051208	WO 2005-US17158	20050518
WO 2005115548	A3	20070322		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1961447	A2	20080827	EP 2008-10738	20050518
EP 1961447	A3	20100317		
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR				
US 20090041667	A1	20090212	US 2008-594420	20080630
PRIORITY APPLN. INFO.:				
			US 2004-571892P	P 20040518
			WO 2005-US17158	W 20050518
			US 2008-594420	A2 20080630
			EP 2005-749738	A3 20050518

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 148:113242

AB The invention provides for the use of carbonic anhydrase activators; protein kinase C activators and FGF-18 to treat depressive disorders. The invention also relates to improved animal models and methods for screening and identifying compds. the treatment of depressive disorders.

L5 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2005:1289949 CAPLUS  
 DOCUMENT NUMBER: 144:640  
 TITLE: Treatment of depressive disorders  
 INVENTOR(S): Sun, Miao-Kun; Alkon, Daniel L.  
 PATENT ASSIGNEE(S): Blanchette Rockefeller Neurosciences Institute, USA  
 SOURCE: PCT Int. Appl., 40 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005115548	A2	20051208	WO 2005-US17158	20050518
WO 2005115548	A3	20070322		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ,				

LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA,  
 NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK,  
 SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU,  
 ZA, ZM, ZW  
 RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,  
 AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,  
 EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT,  
 RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML,  
 MR, NE, SN, TD, TG  
 CA 2562035 A1 20051208 CA 2005-2562035 20050518  
 EP 1753511 A2 20070221 EP 2005-749738 20050518  
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 IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA,  
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 CN 101060885 A 20071024 CN 2005-80016109 20050518  
 JP 2008501798 T 20080124 JP 2007-527349 20050518  
 EP 1961447 A2 20080827 EP 2008-10738 20050518  
 EP 1961447 A3 20100317  
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 IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR  
 KR 2007067010 A 20070627 KR 2006-7024220 20061117  
 US 20080003181 A1 20080103 US 2007-802724 20070524  
 US 7977377 B2 20110712  
 US 20090041667 A1 20090212 US 2008-594420 20080630  
 PRIORITY APPLN. INFO.: US 2004-571892P P 20040518  
 EP 2005-749738 A3 20050518  
 WO 2005-US17158 W 20050518  
 US 2008-594420 A2 20080630

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 144:640

AB The invention provides for the use of carbonic anhydrase activators,  
 protein kinase C activators and FGF-18 to treat depressive disorders. The  
 invention also relates to improved animal models and methods for screening  
 and identifying compds. for the treatment of depressive disorders.

OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD  
 (2 CITINGS)

REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2003:535074 CAPLUS

DOCUMENT NUMBER: 139:270901

TITLE: Carbonic anhydrase activators. The selective  
 serotonin reuptake inhibitors fluoxetine, sertraline  
 and citalopram are strong activators of isozymes I and  
 II

AUTHOR(S): Casini, Angela; Caccia, Silvio; Scozzafava, Andrea;  
 Supuran, Claudiu T.

CORPORATE SOURCE: Dipartimento di Chimica, Laboratorio di Chimica  
 Bioinorganica, Universita degli Studi di Firenze,  
 Sesto Fiorentino (Firenze), I-50019, Italy

SOURCE: Bioorganic & Medicinal

Chemistry Letters (2003),

13(16), 2765-2768

CODEN: BMCLE8; ISSN: 0960-894X

PUBLISHER: Elsevier Science B.V.

DOCUMENT TYPE: Journal

LANGUAGE: English

AB The selective serotonin reuptake inhibitors (SSRI) fluoxetine, sertraline  
 and citalopram have been investigated for their ability to activate two  
 carbonic anhydrase (CA) isoenzymes, hCA I and hCA II, in parallel with  
 two standard activators for which the x-ray structure (in complex with

isoenzyme II) has been resolved: histamine and phenylalanine. All three SSRI activated both isoenzymes with potencies comparable to that of the stds. although the profile was different: for hCA I, best activators were fluoxetine and histamine, with citalopram and sertraline showing weaker activity. For hCA II, the best activators were phenylalanine and citalopram, and the weakest histamine and sertraline, whereas fluoxetine showed an intermediate behavior. These results suggest that SSRI efficacy in major depression complicating Alzheimer's disease may be partly due to their ability to activate CA isoenzymes and may lead to the development of potent activators for the therapy of diseases associated with significant decreases in brain CA activity.

OS.CITING REF COUNT: 8 THERE ARE 8 CAPLUS RECORDS THAT CITE THIS RECORD (8 CITINGS)  
REFERENCE COUNT: 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2011 ACS on STN

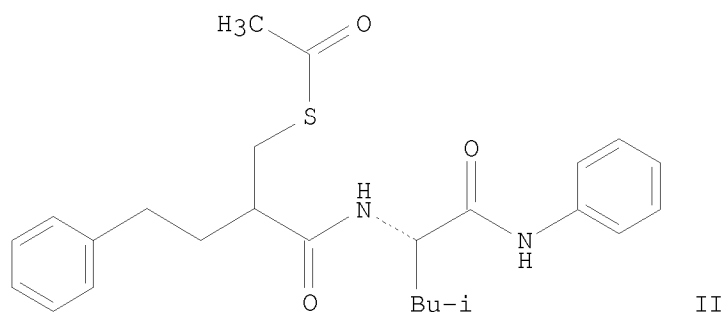
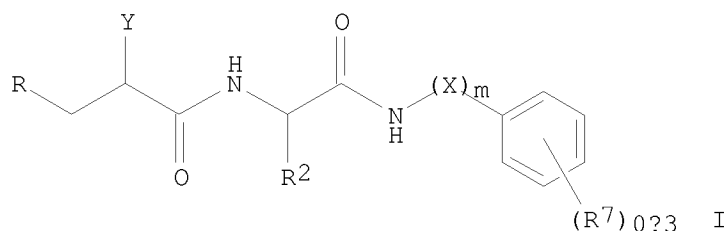
ACCESSION NUMBER: 2002:594810 CAPLUS  
DOCUMENT NUMBER: 137:155177  
TITLE: Preparation and ophthalmic compositions of amino acid amides for treating ocular hypertension  
INVENTOR(S): Garcia, Maria L.; Kaczorowski, Gregory J.; Gao, Ying-Duo  
PATENT ASSIGNEE(S): Merck & Co., Inc., USA  
SOURCE: PCT Int. Appl., 38 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002060863	A1	20020808	WO 2002-US3049	20020124
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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2434495	A1	20020808	CA 2002-2434495	20020124
AU 2002251856	A1	20020812	AU 2002-251856	20020124
JP 2004530647	T	20041007	JP 2002-561014	20020124
EP 1358153	A1	20031105	EP 2002-720887	20020125
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
US 20040054213	A1	20040318	US 2003-466878	20030716
US 6864383	B2	20050308		
PRIORITY APPLN. INFO.:			US 2001-264954P	P 20010130
			WO 2002-US3049	W 20020124

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 137:155177

GI



AB The compds. with a general formula of I [wherein R and R2 = independently alkyl, (CH2)n(hetero)aryl, (CH2)nheterocycloalkyl, said alkyl or (hetero)aryl optionally substituted with 1-3 groups of R3; Y = (CH2)nSCOR4; X = CH2 or O in which m = 1; R3 = H, alkoxy, alkyl(amino), CF3, NO2, NH2, CN, or halo; R4 = alkoxy or alkyl; R7 = H, halo, OH, NO2, NH2, CN, alkoxycarbonyl, CO2H, haloalkyl, alkoxycarbonylalkyl, or alkylsulfonyl; m = 1-3; n = 0-3; or a pharmaceutically acceptable salt, enantiomer, diastereomer, or mixture thereof] were prepared For example, L-leucine derivative II was prepared in a 7-step synthesis involving condensation of 4-phenyl-2-(acetylthiomethyl)butyric acid and (S)-leucine t-Bu ester and amidation with aniline (50%). This invention relates to the use of potent potassium channel blockers or formulations thereof in the treatment of glaucoma and other conditions which leads to elevated intraocular pressure in the eye of a patient. This invention also relates to the use of such compds. to provide a neuroprotective effect to the eye of mammalian species, particularly humans. The compds. I were found to cause concentration dependent inhibition of the fluorescence ratio with

IC50 values in the range of 10 nM to 5  $\mu$ M, more preferably from 100 nM to 1  $\mu$ M.

OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)  
 REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L1 STRUCTURE UPLOADED

L2 2168476 S L1 FULL

FILE 'CAPLUS' ENTERED AT 18:25:16 ON 04 AUG 2011

FILE 'CAPLUS' ENTERED AT 18:25:57 ON 04 AUG 2011

FILE 'REGISTRY' ENTERED AT 18:26:12 ON 04 AUG 2011  
L3 0 S L2 AND DEPRESSION

FILE 'CAPLUS' ENTERED AT 18:27:37 ON 04 AUG 2011  
L4 459 S PHENYLALANINE AND DEPRESSION  
L5 4 S L4 AND CARBONIC ANHYDRASE

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